

## **AMENDMENTS TO THE CLAIMS**

1       1. (Original) A system for managing data in multiple data processing  
2 devices using common data paths, comprising:

3           a first data processing system comprising a memory, wherein said memory  
4 comprises a cacheable coherent memory space; and

5           a second data processing system communicatively coupled to said first data  
6 processing system, said second data processing system comprising at least one bridge,  
7 wherein said bridge is operable to perform an uncacheable remote access to said  
8 cacheable coherent memory space of said first data processing system.

1       2. (Currently Amended) The system of claim 1, wherein ~~the said~~  
2 uncacheable remote access performed by said bridge comprises ~~a data write writing data~~  
3 to said memory of said first data processing system for incorporation into said cacheable  
4 coherent memory space of said first data processing system.

1       3. (Currently Amended) The system of claim 1, wherein ~~the said~~  
2 uncacheable remote access performed by said bridge comprises ~~a data read reading data~~  
3 from said cacheable coherent memory space of said first data processing system.

1       4. (Currently Amended) The system of claim 2, wherein ~~the said~~ data written  
2 by said bridge during said uncacheable remote access participates in a cacheable coherent  
3 memory protocol in said cacheable coherent memory space.

1       5. (Currently Amended) The system of claim 4, wherein data written by the  
2 bridge during an uncacheable remote access is processed by said first data processing  
3 system to convert the data to conform to a cacheable coherent memory protocol in the  
4 cacheable memory space and wherein the converted data in said cacheable coherent  
5 memory space is accessed by an agent subsequent to said conversion.

1           6. (Original) The system of claim 5, wherein said remote access by said  
2 bridge and said subsequent access by said agent conform to a producer-consumer  
3 protocol, wherein said bridge corresponds to the producer and said agent corresponds to  
4 the consumer of said producer-consumer protocol.

1           7. (Previously Presented) The system of claim 6, wherein said data  
2 written by said bridge comprises a payload and a flag, with said flag and said payload  
3 both residing in a node defined by said first data processing system.

1           8. (Original) The system of claim 7, wherein the remote access by said  
2 bridge to perform said data write is performed in accordance with a set of predetermined  
3 ordering rules.

1           9. (Canceled)

1           10. (Currently Amended) A method for managing data in multiple data  
2 processing devices using common data paths, comprising:  
3           establishing a cacheable coherent memory space in a first data processing system;  
4           and  
5           accessing said cacheable coherent memory space with a second data processing  
6 system communicatively coupled to said first data processing system, said second data  
7 processing system comprising at least one bridge, wherein said bridge performs an  
8 uncacheable remote access to said cacheable coherent memory space of said first data  
9 processing system.

1           11. (Currently Amended) The method of claim 10, wherein the said  
2 uncacheable remote access performed by said bridge comprises ~~a data write writing data~~  
3 to said memory of said first data processing system for incorporation into said cacheable  
4 coherent memory space of said first data processing system.

1           12. (Currently Amended) The method of claim 10, wherein ~~the~~ access  
2 performed by said bridge comprises ~~a data read~~ reading data from said cacheable  
3 coherent memory space of said first data processing system.

1           13. (Currently Amended) The method of claim 11, wherein ~~the~~ data written  
2 by said bridge during said uncacheable remote access participates in a cacheable coherent  
3 memory protocol in said cacheable coherent memory space.

1           14. (Currently Amended) The method of claim 13, wherein data written by  
2 the bridge during an uncacheable remote access is processed by said first data processing  
3 system to convert the data to conform to a cacheable coherent memory protocol in the  
4 cacheable memory space and wherein the converted data in said cacheable coherent  
5 memory space is accessed by an agent subsequent to said conversion.

1           15. (Original) The method of claim 14, wherein said remote access by  
2 said bridge and said subsequent access by said agent conform to a producer-consumer  
3 protocol, wherein said bridge corresponds to the producer and said agent corresponds to  
4 the consumer of said producer-consumer protocol.

1           16. (Previously Presented) The method of claim 15, wherein said data  
2 written by said bridge comprises a payload and a flag, with said flag and said payload  
3 both residing in a node defined by said first data processing system.

1           17. (Original) The method of claim 16, wherein the remote access by said  
2 bridge to perform said data write is performed in accordance with a set of predetermined  
3 ordering rules.

1           18. (Canceled)